	National and State Resource Concerns and Quality Criteria				
Natural	Natural Description of National Missouri Assessment Tools				
Resource	Concern	Quality	Quality	for	
Concern		Criteria	Criteria	Quality Criteria Evaluation	
PLANTS					

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Plant – Condition – Productivity, Health and Vigor Productivity, Health and Vigor Productivity, Health and Vigor Productivity, Health and Vigor Productives. Plants do not produce the yields, quality, and soil cover to meet client objectives. Selected plants on or planned for the site are sufficiently productive to meet or exceed client needs. For specific land uses, additional criteria apply: Cropland: A healthy stand with vigorous growth produces at least 75% of site potential. Rangeland: The plant community has a similarity index of at least 60% or an upward trend for similarity indices less than 60%. Pastureland: Forage yields are at least 75% of high management estimates cited in Forage Suitability Groups (FSG) reports. Hayland: Forage yields at least 75% of pigh mgt. estimates cited in Forage Suitability Groups (FSG) reports. Forestland/Agroforest: Forests consist of healthy stands with vigorous growth having a stand density within 25% of optimum stocking on a stems/acre basis. Plants chosen for agroforest applications are consistent with Conservation Tree and Shrub Groups (CTSG) listings and height performance. Plants do not produce the site are sufficiently productive to reveace client needs. For specific land uses, additional criteria apply: Crops souting with vigorous growth produces at least 75% of high management estimates cited in Forage suitability Groups (FSG) reports. Hayland: Forage yields at least 75% of high mgt. estimates cited in Forage Suitability Groups (FSG) reports. Forestland/Agroforest: Forests consist of healthy stands with vigorous growth having a tend density within 25% of optimum stocking on a stems/are basis. Plants chosen for agroforest applications are consistent with Conservation Tree and Shrub Groups (CTSG) listings and height performance. Plants decrease publications are consistent with Conservation Tree and Shrub Groups (CTSG) listings and height performance. Plants decrease publications are subjected at least 75% of high management estimates cited in forage suitabi		
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Plant Condition - Threatened or Endangered Plant Species	Plant populations and /or habitat quantity and quality have reached a level that one or more plant species are in danger of or threatened with extinction.	Threatened and endangered plant species and/or habitats they occupy are managed to avoid actions that would reduce their current population, health, or sustainability.	Same as National	 Client interviews Inventory site General Manual, 190, Part 410 Missouri T&E Impact Matrix Federal and state endangered species rules and regulations Missouri Natural Heritage Database PLANTS Website
Plant Condition - Noxious and Invasive Plants	The site has noxious or invasive plants present.	The site is managed to control noxious and invasive plants and to minimize their spread.	Same as National	 Client interviews Site Inventory State or local noxious weed list PLANTS Website
Plant Condition - Forage Quality and Palatability	Plants do not have adequate nutritive value or palatability for the intended use	Forage plants are managed to produce the desired nutritive value and palatability for the intended use.	Same as National	NIRS Forage Quality Analysis (NUTBAL)Plant tissue analysis
Plant Condition – Wildfire Hazard	The kinds and amounts of fuel loadings (plant biomass) pose risks to human safety, structures, and resources should wildfire occur.	Fuel loadings are reduced and/or isolated to meet client needs in minimizing the risk and incidence of wildfire.	Same as National	 Visual assessment protocols Site and flammable biomass inventories Aerial photo analysis Wildfire Hazard Assessment Worksheets